DeVilbiss Air Power Company

OWNERS MANUAL FOR PRESSURE WASHER
Model No. W1212

SPECIFICATION CHART

MODEL	***W1212***
PUMP PRESSURE	1150 P.S.I. MAX
FLOW RATE	1.2 G.P.M.
VOLTAGE REQUIREMENT	120V/15 AMP/60HZ
MINIMUM FUSE SIZE	15 AMP., TIME DELAY
POWER CORD	35'
HOSE	1/4"x 18' SWIVEL HIGH PRESSURE HOSE
PKG. WEIGHT	20 LBS.
INLET WATER PRESSURE	30-170 P.S.I.
INLET WATER TEMPERATURE	104 ´°F MAXIMUM

IMPORTANT:

— READ AND RETAIN THE SAFETY GUIDELINES AND ALL —
INSTRUCTIONS CAREFULLY BEFORE OPERATING!

TABLE OF CONTENTS

PAGE

WARRANTY STATEMENT 3

SAFETY GUIDELINES 4

IMPORTANT SAFETY INSTRUCTIONS 4-5

GLOSSARY 6

SERVICING OF A DOUBLE-INSULATED APPLIANCE 6

GROUNDING INSTRUCTIONS/EXTENSION CORDS 6

OPERATING INSTRUCTIONS 7

MAINTENANCE & STORAGE 8

TROUBLE SHOOTING GUIDE 9

ACCESSORIES/CLEANING SOLUTIONS 10

PRESSURE WASHER DIAGRAM 11

LIMITED WARRANTY
ONE YEAR FROM DATE OF PURCHASE

*All merchandise manufactured by DeVilbiss Air Power Company is warranted to be free of defects in workmanship and material which occur during the first year from the date of purchase by the original purchaser (initial user). Products covered under this warranty include: air compressors, *air tools, accessories, service parts, pressure washers, and generators used in consumer applications (i.e., personal residential household usage only).*

*Air compressors, *air tools, accessories, service parts, pressure washers, and generators used in commercial applications (income producing) are covered by a 90 day warranty.*

DeVilbiss Air Power will repair or replace, at DeVilbiss's option, products or components which have failed within the warranty period. Repair or replacement, and service calls on 60 and 80 gallon air compressors, will be handled by Authorized Warranty Service Centers and will be scheduled and serviced according to the normal work flow and business hours at the service center location, and depending on the availability of replacement parts.

All decisions of DeVilbiss Air Power Company with regard to this policy shall be final.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RESPONSIBILITY OF ORIGINAL PURCHASER (Initial User):

- ❑ Retain original cash register sales receipt as proof of purchase for warranty work.
- ❑ Use reasonable care in the operation and maintenance of the product as described in the Owners Manual(s).
- ❑ Deliver or ship the product to the nearest DeVilbiss Air Power Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.
- ❑ Air compressors with 60 and 80 gallon tanks only will be inspected at the site of installation. Contact the nearest Authorized Warranty Service Center, that provides on-site service calls, for service call arrangement.
- ❑ If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact DeVilbiss Air Power Company.

THIS WARRANTY DOES NOT COVER:

- ❑ Merchandise sold as reconditioned, floor models and/or display models. Any damaged or incomplete equipment sold "as is".
- ❑ Merchandise used as "rental" equipment.
- ❑ Merchandise that has become inoperative because of ordinary wear, misuse, freeze damage, use of improper chemicals, negligence, accident, improper and/or unauthorized repair or alterations including failure to operate the product in accordance with the instructions provided in the Owners Manual (s) supplied with the product. *Air Tools: O-Rings and driver blades are considered ordinary wear parts, therefore, they are warranted for a period of 45 days from the date of purchase.
- ❑ An air compressor that pumps air more than 50% during a one hour period is considered misuse because the air compressor is undersized for the required air demand. Maximum compressor pumping time per hour is 30 minutes.
- ❑ Merchandise sold by DeVilbiss Air Power which has been manufactured by and identified as the product of another company. The product manufacturer's warranty will apply.
- ❑ Repair and transportation costs of merchandise determined not to be defective.
- ❑ Cost associated with assembly, required oil, adjustments or other installation and start-up cost.
- ❑ **ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE OR MALFUNCTION OF THE PRODUCT.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- ❑ **IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

DeVilbiss Air Power Company
213 Industrial Drive • Jackson, TN 38301-9615 • Telephone: 1-800-888-2468 , Ext. 2 • FAX: 1-800-888-9036

Form: SP-100-E - 4/25/96

SAFETY GUIDELINES - DEFINITIONS

This manual contains information that is important for you to know and understand. This information relates to protecting **YOUR SAFETY** and **PREVENTING EQUIPMENT PROBLEMS**. To help you recognize this information, we use symbols to the right. Please read the manual and pay attention to these sections.

⚠ DANGER

URGENT SAFETY INFORMATION - A HAZARD THAT WILL CAUSE SERIOUS INJURY OR LOSS OF LIFE.

⚠CAUTION

Information for preventing damage to equipment.

⚠WARNING

IMPORTANT SAFETY INFORMATION - A HAZARD THAT *MIGHT* CAUSE SERIOUS INJURY OR LOSS OF LIFE.

NOTE

Information that you should pay special attention to.

IMPORTANT SAFETY INSTRUCTIONS

• SAVE THESE INSTRUCTIONS •

⚠CAUTION

THIS UNIT OPERATES WITH COLD WATER ONLY.

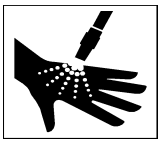
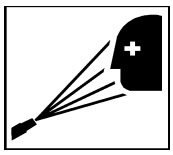
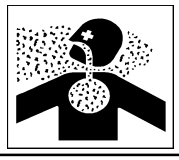
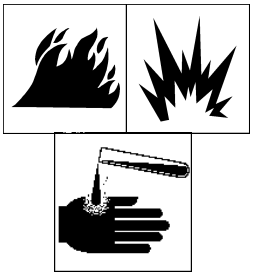
⚠WARNING

When using this product basic precautions should always be followed including the following:

1. **Read and understand all the instructions before using the product.**
2. To reduce the risk of injury, close supervision is necessary when this product is used near children.
3. Know how to stop the product. Be thoroughly familiar with the controls.
4. Stay alert – watch what you are doing.
5. Do not operate the product when fatigued or under the influence of alcohol or drugs.
6. Keep operating area clear of all persons.
7. Do not overreach or stand on unstable support. Keep good footing at all times.
8. Follow the maintenance instructions specified in the manual.
9. Never operate this machine with broken or missing parts, or without protective housing in place.
10. **⚠WARNING – Risk of Injection or Injury – Do Not Direct Discharge Stream At Persons.**

HAZARD	WHAT COULD HAPPEN	HOW TO PREVENT IT
⚠DANGER RISK OF ELECTRICAL SHOCK	■ This product is not equipped with a GFCI. It contains and sprays water and other conductive liquids. Improper operation could result in electrocution.	■ **This product must be connected to a properly grounded electrical circuit, equipped with a Ground Fault Circuit Interrupter (GFCI) for your personal protection**.
	■ Spraying directed at electrical outlets or switches, or objects connected to electrical circuit could result in electrical shock.	■ Unplug any electrically operated product before attempting to clean it. Direct spray away from electric outlets and switches.
	■ Extension cords of improper size or in poor condition can lead to electrical shock.	■ Always keep cord connections dry. Never attempt to assemble connections with wet hands. See section on Grounding Instructions/Extension Cords. (Page 6)

IMPORTANT SAFETY INSTRUCTIONS (cont'd)

HAZARD	WHAT COULD HAPPEN	HOW TO PREVENT IT
⚠WARNING RISK OF FLUID INJECTION 	■ Your washer operates at fluid pressures and velocities high enough to penetrate human and animal flesh, which could result in serious injury or amputation. Leaks caused by loose fittings or worn or damaged hoses can result in injection injuries. DO NOT TREAT FLUID INJECTION AS A SIMPLE CUT! Fluid injection can lead to amputation. See a physician immediately.	■ Never place hands in front of nozzle. Keep operating area clear of all persons. Direct spray away from self and others. Make sure hose and fittings are tightened and in good condition. Never hold on to the hose or fittings during operation. ■ Never attach or remove wand or hose fittings while system is pressurized. ■ Use only hose and high pressure accessories rated for 2000 PSI service.
⚠WARNING RISK OF INJURY FROM SPRAY 	■ High velocity fluid spray can cause some objects to break, projecting particles at high speed. Light or unsecured objects can become hazardous projectiles. ■ All sources of energy include the potential for injury. Unsafe operation or maintenance of your pressure washer could lead to serious injury or death to you or others.	■ Always wear ANSI approved Z87 safety glasses. Keep children and others away from work area. Remove loose objects from spray path. Secure light objects to be cleaned. ■ Direct spray away from self and others. ■ Always secure trigger lock when wand is not in service to prevent accidental triggering and actuation of wand. ■ Never point wand at, or spray people or animals.
⚠WARNING RISK OF INJURY FROM WAND RECOIL 	■ Reactive force of spray will cause wand to move, and could cause the operator to slip or fall, or misdirect the spray. Improper control of wand can result in injuries to self and others.	■ Always secure trigger lock when wand is not in service to prevent accidential triggering and actuation of wand. ■ Keep work area free of obstacles. Assume a solid stance on stable surface. Keep a firm grip on the wand and expect it to kick when triggered. ■ Only use cleaning fluids specifically recommended for use in high pressure washers.
⚠WARNING RISK TO BREATHING 	■ Some cleaning fluids contain substances which could cause injury to skin, eyes, or lungs.	■ Wear protective clothing to protect eyes and skin from contact with sprayed materials. Work in a well ventilated area. ■ Never use this product to spray toxic or corrosive materials such as poisons, insecticides, etc.
⚠WARNING RISK OF EXPLOSION OR FIRE 	■ Use of acids, unapproved chemicals, or flammable solvents with this product could cause injury or death.	■ Do not use acids, gasoline, kerosene, or any other flammable materials in this product. Use only household detergents, cleaners and degreasers recommended for use in pressure washers. Work in a well ventilated area. ■ Always follow Manufacturer's recommendations for safe use of chemicals.

GLOSSARY

FLOW RATE: This is the amount of water that passes through your wand. (Usually measured in G.P.M., gallons per minute.).

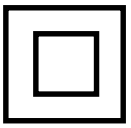
P.S.I.: Unit of measure, pounds per square inch.

START/STOP: This unit will automatically start when the trigger is depressed and automatically stop when you release of the trigger.

SERVICING OF A DOUBLE-INSULATED APPLIANCE

In a double-insulated product, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated product, nor should a means for grounding be added to the product. Servicing a double-insulated product requires extreme care and knowledge of the system, and should be done only by qualified service personnel. Replacement parts for double-insulated product must be identical to the parts they replace.

A double-insulated product is marked with the words **"DOUBLE INSULATION" or "DOUBLE INSULATED."** The symbol



may also be marked on the product.

GROUNDING INSTRUCTIONS & EXTENSION CORDS

⚠ WARNING

This product is not equipped with a ground fault interrupter. It has been manufactured in compliance with code requirements for a double insulated product. For your personal protection, this product must be connected to a circuit equipped with ground fault interrupter protection.

EXTENSION CORDS: Extension cords are **NOT** recommended to be used with this product. If an extension cord must be used, the following 3 requirements should be met:

1. 14 gauge minimum wire size up to 25 ft. cord.
2. 12 gauge minimum wire size up to 50 ft. cord.
3. Use only extension cords that are intended for out door use. These extension cords are identified by a marking "Acceptable for use with outdoor appliances; store indoors while not in use." Use only extension cords having an electrical rating not less than the rating of the product. Do not use damaged extension cord and do not yank on any cord to disconnect. Keep cord away from heat and sharp edges. Always disconnect the extension cord from the receptacle before disconnecting the product from the extension cord. Extension cord must be connected to a grounded outlet equipped with a GFCI (Ground Fault Circuit Interrupter). There is a risk of Electrocution if extension cord is not connected to a grounded outlet equipped with a GFCI.

⚠ WARNING

To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands. Do not use if cord is damaged.

OPERATING INSTRUCTIONS

START-UP

1. Attach middle extension to gun/hose assembly by inserting the thread end and hand tighten.
2. Insert high pressure hose into pressure washer outlet port and hand tighten.
3. Connect garden hose to the pressure washer inlet port. Make sure the screen is free of any debris.
4. Turn on water supply, then release trigger safety, pull trigger to remove any trapped air in the system (about 15 seconds). Verify that there are no water leaks.
5. Verify that the pressure washer switch is in the "Off" position. Plug the power cord into the G.F.C.I. Protected outlet. (Push reset on G.F.C.I.).
6. Assemble proper wand/accessory into the end of the middle extension wand by pushing in and rotating 90º until it locks into place.
7. Switch to "On" position.
8. Verify that trigger lock is disengaged. When engaged, the trigger cannot be operated. This eliminates unauthorized use of the gun by small children, etc.
9. You are now ready to use your pressure washer.

   NOTE: The unit will stop automatically when the trigger is released and will start when the trigger is pulled.

OPERATION

1. For high pressure cleaning, attach rotary nozzle to middle extension wand (see #6 in Start-up).
2. For applying detergents, attach detergent nozzle and place hose end/filter assembly into fluid container. When using detergents, it is best to give them time to work (3 to 5 minutes) before high pressure rinse.

SHUT-DOWN

1. Turn off the water supply.
2. Pull the trigger for 2 to 4 seconds to remove remaining water from the hose and pump.

   NOTE: (This should be done quickly). Unit will continue to run without the water connected to your pressure washer.
3. Turn switch off and unplug.
4. Disconnect garden hose.
5. Rinse detergent screen with water.
6. Store unit according to "Maintenance and Storage." See page 8.

⚠CAUTION

Operating unit with water supply shut off (without flow of water) will result in equipment damage.

⚠WARNING

During shut-down, entire system including pump, hose and wand will remain under pressure. Do not attempt to remove hose/gun until pressure is relieved.

⚠CAUTION

The trigger lock does not lock the trigger of the gun during operation but only prevents unit from being used unintentionally.

MAINTENANCE AND STORAGE

⚠WARNING

TO AVOID ELECTRICAL SHOCK, ALWAYS DISCONNECT THE PLUG FROM THE ELECTRICAL SUPPLY BEFORE ANY MAINTENANCE IS STARTED. IF AN EXTENSION CORD IS IN USE, DISCONNECT FROM OUTLET BEFORE DISCONNECTING PRESSURE WASHER CORD FROM EXTENSION CORD, AS ELECTRIC SHOCK COULD OCCUR.

MAINTENANCE

1. ***WATER SCREEN:***
   Inspect the water screen before attaching water supply. Clean water screen if dirty.

2. ***NOZZLE CLOGGED:***
   A clogged nozzle will cause a distorted spray pattern and/or low pressure output.
   a. Unplug power supply, pull trigger on gun handle to relieve pressure, remove wand assembly from gun assembly.
   b. Clean the nozzle with a straightened paper clip by inserting into nozzle end and slowly moving in and out.
   c. If this does not improve performance, Unscrew (counterclockwise) rotary head from wand. Remove nozzle assembly from rotary head. Inside you will find a white plastic disc, stem, and one ball bearing. The disc has four ports in which water travels through to the nozzle end. Clean these ports and reassemble nozzle head.
   d. To reassemble rotary nozzle, place ball bearing into stem opposite nozzle end. Place stem with nozzle tip first into rotary head. Place disc with nipple up into head until it stops.
   e. Screw rotary head clockwise onto wand until hand tight.

3. Flush wand assembly backwards with water or compressed air.

4. If problems still exist, repeat steps 1-3.

5. ***LUBRICATION:***
   No lubrication is required for this pump.

⚠WARNING

HIGH PRESSURE HOSE: **Damaged high pressure hoses can burst which can cause a potentially hazardous situation. High pressure hoses should not be kinked, crushed, twisted, or damaged in any way. Replace high pressure hose should this occur.**

⚠WARNING

When replacing high pressure hose, a hose of the same PSI rating should be used. Failure to do so could cause damage to the unit, property, or personal injury.

WINTER STORAGE

This pressure washer should be stored in such a way to protect it from freezing. **Do not** store this unit outdoors or in an area where temperatures will fall below 32°F. This can cause extensive damage to this unit. Drain as much water as possible from the unit before storing.

If unit has to be stored under freezing conditions, a non-toxic R.V. anti-freeze can be used to protect from freezing.

Add anti-freeze as follows:

1. Be sure the unit is turned off, the water supply hose is disconnected, and the pressure has been relieved from the gun.
2. Remove gun/hose assembly from the pressure washer.
3. Tip the unit on end with the water inlet fitting pointing upward, and start the motor.
4. Quickly pour approx. 1/4 cup of non-toxic R.V. anti-freeze down the plastic fitting where the water hose attaches while the motor is running (See Figure 1 below). Let unit run for a few seconds.
5. Turn the unit off .

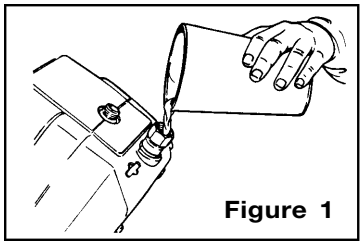


Figure 1

TROUBLESHOOTING GUIDE

PROBLEM	CAUSE	REMEDY
Motor will not start and there is no humming sound	• Not plugged in. • "RESET" button on GFCI not pushed. • Circuit breaker has tripped or fuse is blown. • Incorrect voltage. • Damaged cord.	• Plug in. • Push "RESET" button. • Reset breaker or replace fuse. • Check whether the voltage shown on the specifications chart corresponds to that of the power source. • Inspect all cords for signs of damage.
Power source circuit continues to trip or blow fuses	• Too much load already on circuit.	• Reduce load on circuit. • Try another G.F.C.I. circuit. • Operate unit on its own branch circuit (15A) free of any other loads.
Motor hums but will not start	• Extension cord is too long or of improper gauge, causing voltage drop. • Pump is stuck due to dirt, mineral build up, or ice. • Motor malfunction	• See section on extension cords (See page 6). • Unplug unit. If temp is below freezing do not use. Thaw in a warm area.
Unit does not reach required pressure	• Restricted, or insufficient water supply. • Clogged nozzle.	• Take to authorized service center (See back cover). • Check supply hose, faucet and inlet screen. Must be connected to water source which provides 1.7 gal. water per minute.* • See Maintenance (page 8).
Unit cycles automatically without triggering the gun.	• Water leak in high pressure fittings, hose, or gun.	• New gun/hose assembly.
Continuous tripping of a G.F.C.I. circuit.	• Unit could have an electrical short.	• Take to nearest Authorized Warranty Service Center.
No detergent suction.	• Incorrect nozzle. • Suction filter clogged. • Damaged detergent hose.	• Use detergent nozzle. • Clean Filter • Inspect hose for cracks, holes, or kinks.

Flow rate can be determined by running the water from garden hose for one minute into an empty 5-gallon container.

ACCESSORIES/CLEANING SOLUTIONS

Angle Rotating Brush Model WA210

- 7 in. dia. nylon with rotating inner brush
- Adjustable for angled surfaces
- Up to 2000 PSI, 3 GPM
- Includes adapter for W1212

Fixed Brush Model WA260

- 7 in. x 3 in. soft nylon bristles
- Tapered for cleaning in tight spots
- Up to 2000 PSI, 3 GPM
- Includes adapter for W1212

Wand Extension Model WA280

- 2 ft. extension for added reach
- Use with Rotating or Fixed Brush

Portability Cart *(Not Shown)* Model WA325

General Purpose Cleaner Model WA400

- Removes dirt and mildew without abrasives
- Pre-mixed — ready to use
- Biodegradable
- One U.S. gallon (3.79L)

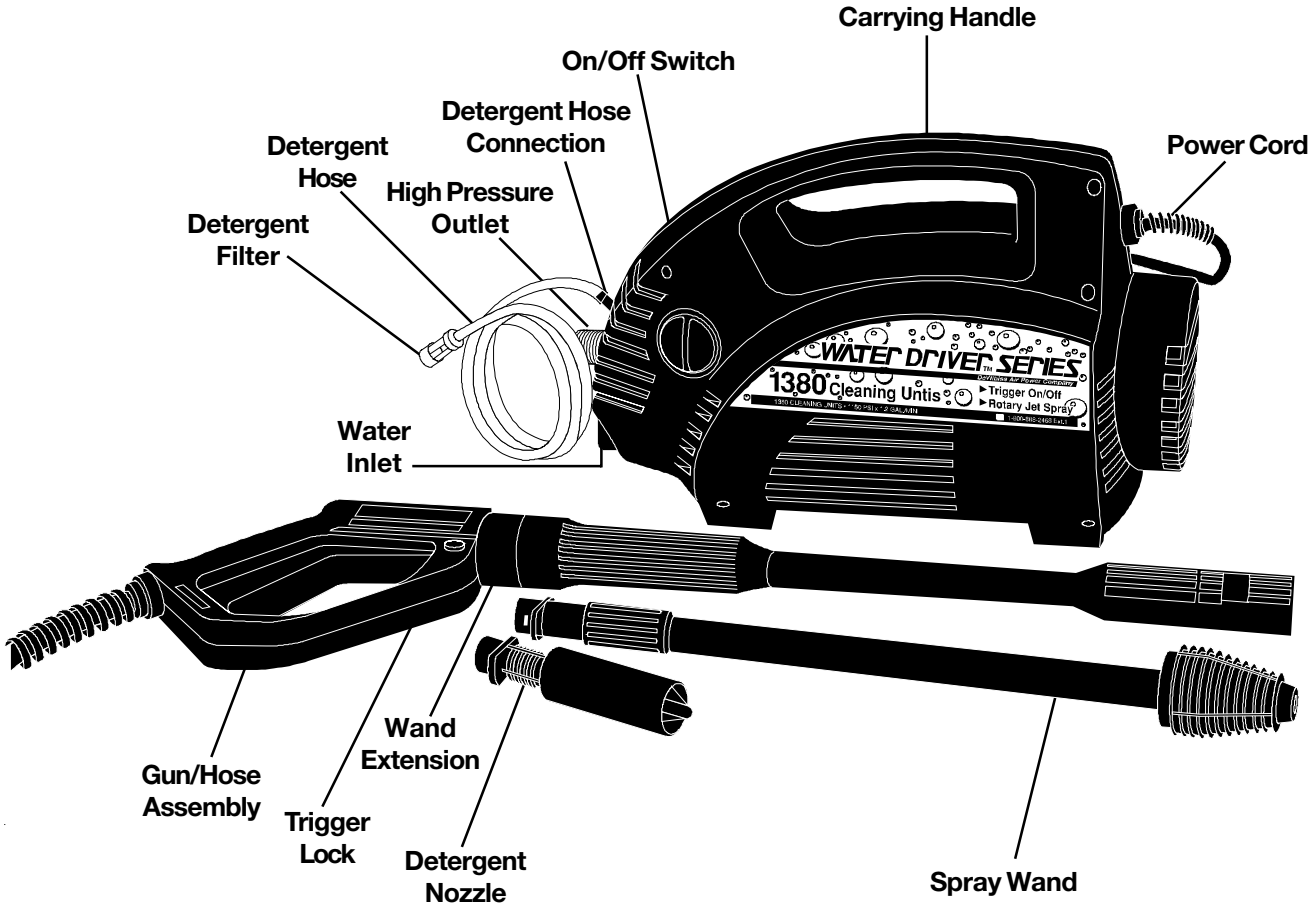
Degreaser Model WA401

- Cuts through grease and oil
- Pre-mixed — ready to use
- Ideal for cleaning engines, grills, and farm equipment
- One U.S. gallon (3.79L)

Car Wash Model WA402

- Formulated for auto finishes
- Pre-mixed — ready to use
- One U.S. gallon (3.79L)

PRESSURE WASHER DIAGRAM



PARTS LISTING

PW-0368	Gun/Hose Assembly
PW-0369	Spray Wand
PW-0370	Wand Extension
PW-0371	Detergent Hose with Filter
PW-0372	Detergent Nozzle

OWNERS MANUAL
FOR PRESSURE WASHER

Model No.
W1212

When ordering repair parts from your local Authorized Service Center, always give the following information:

- Model number of your product
- Part number and description of the item you wish to purchase

If you have any questions or need the location of the nearest Authorized Service Center, call our Customer Service Hotline Monday thru Friday 8:00 a.m. to 5:00 p.m. (CST) and talk with our trained Customer Service Representatives at ***1-800-888-2468, Ext. 2, then 1.***

Attach Sales Receipt Here.
Retain Original Sales Receipt as Proof of Purchase for Warranty Repair Work.

DeVilbiss Air Power Company • 213 Industrial Drive • Jackson, TN 38301-9615